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A - [001] 010 03- 038 143 144 151 155 157 158 231 236 244 359 368 393 426
479 481 541 544 61- 697 726

CPY - AGEN

DC - A23 A35 D16

FS - CPI

IC - B29C29/00 ; C07C31/20 ; C07G7/02 ; C08L67/00 ; C12B1/00 ; C12K1/00

MC - A05-E01 A08-M08 A10-E05C D05-A02

PA - (AGEN) AGENCY OF IND SCI & TECHNOLOGY

PN - JP52082773 A 19770711 DW197734 000pp

- JP54044749B B 19791227 DW198004 000pp

PR - JP19750159530 19751226

XIC - B29C-029/00 ; C07C-031/20 ; C07G-007/02 ; C08L-067/00 ; C12B-001/00 ;
C12K-001/00

AB - J52082773 The agent contains lipase, crude lipase, lipase-contg. substance, lipase-producing microorganism, its colony or the cultured prod. contg. lipase, as the effective ingredient.

- Suitable lipase include lipase, esterase and (lyso)phospholipase, which can be prepd. e.g. by *Pseudomonas mephitica* lipolytica (FERM P-520), *Achromobacter iophagus* and *Candida paralyptolitica*. Pref. buffer agent is combined in the reaction mixt. to maintain an optimum pH range, and surfactant to enlarge the contacting surface of lipase and polyester.

- Prior to decompsn. the polyesters are cut into fine fibres or powders to increase surface area. The decompsn. is pref. effected at 20-60 degrees C at pH 5-8 in liq. or solid phase, with a suitable amt. of water.

- Aliphatic polyesters, aromatic polyester, alicyclic polyesters, polyesters contg. heteroatom other than O, copolymerised polyesters and polycarbonic acid esters can be decomposed by this method.

IW - BIOCHEMICAL DECOMPOSE AGENT POLYESTER COMPOUND CONTAIN PURE CRUDE LIPASE LIPASE PRODUCE MICROORGANISM CULTURE PRODUCT CONTAIN LIPASE ACTIVE INGREDIENT

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NC - 001

OPD - 1975-12-26

ORD - 1977-07-11

PAW - (AGEN) AGENCY OF IND SCI & TECHNOLOGY

TI - Biochemical decomposing agent for polyester cpds. - contains pure or crude lipase or lipase-producing microorganism, or culture prod. contg. lipase, as active ingredient